

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000864

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G06T17/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TUBIC D ET AL: "A volumetric approach for interactive 3D modeling" PROCEEDINGS FIRST INTERNATIONAL SYMPOSIUM ON 3D DATA PROCESSING VISUALIZATION AND TRANSMISSION IEEE COMPUT. SOC LOS ALAMITOS, CA, USA, 2002, pages 150-158, XP002304315 ISBN: 0-7695-1521-5 abstract	1,6-10, 30
Y	pages 1-5; figures 1-3 ----- -/--	11-13, 32,33

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

5 November 2004

Date of mailing of the international search report

10/12/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MASUDA T: "Registration and integration of multiple range images by matching signed distance fields for object shape modeling" COMPUTER VISION AND IMAGE UNDERSTANDING ACADEMIC PRESS USA, vol. 87, no. 1-3, 2002, pages 51-65, XP002304316 ISSN: 1077-3142 cited in the application the whole document	1,6-10, 30
X	HOPPE H ET AL: "Surface reconstruction from unorganized points" COMPUTER GRAPHICS USA, vol. 26, no. 2, July 1992 (1992-07), pages 71-78, XP000972231 ISSN: 0097-8930 cited in the application the whole document	1,2,30
Y	MENDONCA P R S ET AL: "Estimation of epipolar geometry from apparent contours: affine and circular motion cases" PROCEEDINGS. 1999 IEEE COMPUTER SOCIETY CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CAT. NO PRO0149) IEEE COMPUT. SOC LOS ALAMITOS, CA, USA, vol. 1, 1999, pages 9-14 Vol. 1, XP010347634 ISBN: 0-7695-0149-4 abstract	11-13, 32,33
A	US 5 946 645 A (HEBERT PATRICK ET AL) 31 August 1999 (1999-08-31) cited in the application abstract; figures 2,3	2
P,X	TUBIC D ET AL: "3D surface modeling from range curves" PROCEEDINGS 2003 IEEE COMPUTER SOCIETY CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION IEEE COMPUT. SOC LOS ALAMITOS, CA, USA, vol. 1, 2003, pages I-842, XP002304317 ISBN: 0-7695-1900-8 the whole document	1-33

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5946645	A	31-08-1999	CA 2286902 A1	15-10-1998
			WO 9845817 A1	15-10-1998
			DE 69802276 D1	06-12-2001
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